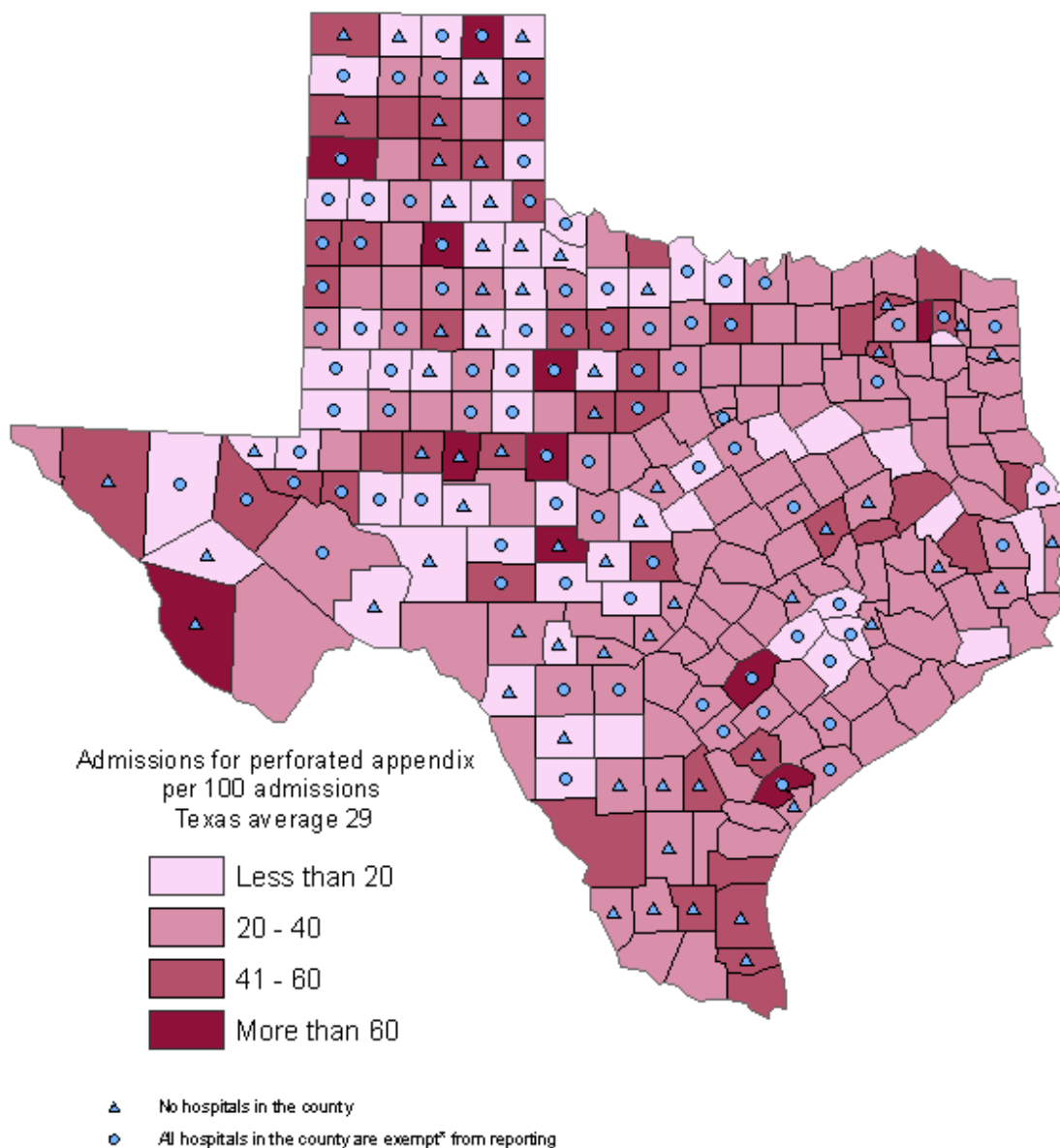


5. Perforated Appendix

The inside of the appendix forms a *cul-de-sac* that usually opens into the large intestine. When the inside of the appendix is blocked—by a piece of stool, a foreign body that was swallowed, or the swelling from an infection—the appendix becomes swollen and easily infected by bacteria. If the infected appendix is not removed, an abscess may form and eventually burst or perforate. This may happen as soon as 48 to 72 hours after symptoms begin. A perforated appendix can spread its infection throughout the abdomen and thus become life threatening. Problems in access to ambulatory care and misdiagnosis are among the factors that lead to this complication.



* THCIC collects data from most Texas hospitals. Some hospitals are statutorily exempt from reporting (see introduction for details).

5. Perforated Appendix, page 2

Includes data from most Texas hospitals. Some hospitals are statutorily exempt from reporting to THIC.

County	Admissions	Admissions for Appendicitis	Observed Admissions per 100 Admissions for Appendicitis	Risk-Adjusted Admissions per 100 Admissions for Appendicitis	99% Confidence Interval for Risk-Adjusted Admissions
State of Texas	5,879	19,197	30.6	32.0	
Anderson	6	37	16.2	15.1 *	(1.3, 28.9)
Andrews	0	0		0.0 *	(0.0, 0.0)
Angelina	21	66	31.8	33.3	(19.8, 46.9)
Aransas	Less than 5	15			
Archer	0	3			
Armstrong	Less than 5	2			
Atascosa	13	44	29.5	32.5	(15.9, 49.0)
Austin	Less than 5	9			
Bailey	Less than 5	7			
Bandera	6	20	30.0	28.8	(5.1, 52.5)
Bastrop	23	64	35.9	34.4	(20.5, 48.3)
Baylor	0	1			
Bee	9	26	34.6	39.2	(16.8, 61.6)
Bell	46	156	29.5	30.2	(21.6, 38.8)
Bexar	471	1,369	34.4	35.9 **	(32.8, 38.9)
Blanco	Less than 5	4			
Borden	0	0		0.0 *	(0.0, 0.0)
Bosque	Less than 5	11			
Bowie	18	54	33.3	34.3	(19.2, 49.4)
Brazoria	70	242	28.9	29.9	(23.0, 36.8)
Brazos	37	117	31.6	33.5	(23.3, 43.7)
Brewster	Less than 5	4			
Briscoe	0	1			
Brooks	5	10	50.0	54.1	(17.2, 91.0)
Brown	16	40	40.0	40.0	(21.9, 58.1)
Burleson	Less than 5	11			
Burnet	8	24	33.3	29.5	(7.7, 51.3)
Caldwell	9	33	27.3	29.5	(10.9, 48.1)
Calhoun	5	18	27.8	26.4	(2.1, 50.8)
Callahan	6	12	50.0	47.1	(13.4, 80.9)
Cameron	133	328	40.5	42.3 **	(35.9, 48.6)
Camp	Less than 5	7			
Carson	Less than 5	3			
Cass	6	20	30.0	28.2	(4.7, 51.7)
Castro	Less than 5	0		0.0 *	(0.0, 0.0)
Chambers	Less than 5	9			
Cherokee	9	37	24.3	26.2	(9.3, 43.2)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

5. Perforated Appendix, page 3

County	Admissions	Admissions for Appendicitis	Observed Admissions per 100 Admissions for Appendicitis	Risk-Adjusted Admissions per 100 Admissions for Appendicitis	99% Confidence Interval for Risk-Adjusted Admissions
State of Texas	5,879	19,197	30.6	32.0	
Childress	Less than 5	2			
Clay	0	2			
Cochran	Less than 5	2			
Coke	Less than 5	4			
Coleman	Less than 5	3			
Collin	105	408	25.7	27.3	(22.1, 32.5)
Collingsworth	0	1			
Colorado	Less than 5	6			
Comal	23	80	28.8	27.9	(16.2, 39.6)
Comanche	Less than 5	5			
Concho	0	3			
Cooke	Less than 5	7			
Coryell	11	39	28.2	32.3	(14.7, 49.8)
Cottle	0	0		0.0 *	(0.0, 0.0)
Crane	Less than 5	2			
Crockett	0	2			
Crosby	Less than 5	11			
Culberson	0	4			
Dallam	Less than 5	7			
Dallas	689	2,282	30.2	32.4	(30.1, 34.7)
Dawson	Less than 5	11			
Deaf Smith	Less than 5	3			
Delta	Less than 5	3			
Denton	82	390	21.0	24.1 *	(19.0, 29.1)
DeWitt	Less than 5	5			
Dickens	Less than 5	4			
Dimmit	0	0		0.0 *	(0.0, 0.0)
Donley	Less than 5	5			
Duval	5	27	18.5	20.5	(2.3, 38.7)
Eastland	5	8	62.5	58.4	(17.6, 99.1)
Ector	37	106	34.9	35.3	(24.4, 46.1)
Edwards	Less than 5	5			
Ellis	38	138	27.5	29.7	(20.6, 38.8)
El Paso	241	684	35.2	36.4 **	(32.1, 40.7)
Erath	9	33	27.3	30.0	(11.4, 48.7)
Falls	Less than 5	13			
Fannin	6	26	23.1	28.4	(7.7, 49.1)
Fayette	Less than 5	4			

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

5. Perforated Appendix, page 4

County	Admissions	Admissions for Appendicitis	Observed Admissions per 100 Admissions for Appendicitis	Risk-Adjusted Admissions per 100 Admissions for Appendicitis	99% Confidence Interval for Risk-Adjusted Admissions
State of Texas	5,879	19,197	30.6	32.0	
Fisher	0	2			
Floyd	Less than 5	1			
Foard	0	0		0.0 *	(0.0, 0.0)
Fort Bend	71	291	24.4	25.7 *	(19.7, 31.7)
Franklin	Less than 5	2			
Freestone	Less than 5	12			
Frio	Less than 5	11			
Gaines	Less than 5	4			
Galveston	49	246	19.9	21.6 *	(15.5, 27.8)
Garza	Less than 5	8			
Gillespie	0	1			
Glasscock	Less than 5	2			
Goliad	Less than 5	4			
Gonzales	5	8	62.5	63.8	(24.1, 100.0)
Gray	Less than 5	19			
Grayson	35	134	26.1	27.0	(18.1, 36.0)
Gregg	39	146	26.7	25.6	(17.2, 34.1)
Grimes	5	18	27.8	29.3	(4.2, 54.4)
Guadalupe	26	100	26.0	25.9	(15.7, 36.2)
Hale	10	27	37.0	38.7	(16.7, 60.6)
Hall	0	0		0.0 *	(0.0, 0.0)
Hamilton	0	2			
Hansford	0	0		0.0 *	(0.0, 0.0)
Hardeman	0	1			
Hardin	11	49	22.4	25.0	(10.5, 39.5)
Harris	961	3,308	29.1	30.8	(29.0, 32.7)
Harrison	10	47	21.3	24.2	(9.5, 38.8)
Hartley	0	0		0.0 *	(0.0, 0.0)
Haskell	Less than 5	2			
Hays	38	107	35.5	35.5	(24.7, 46.4)
Hemphill	Less than 5	4			
Henderson	18	59	30.5	30.4	(16.4, 44.4)
Hidalgo	218	625	34.9	36.9 **	(32.4, 41.5)
Hill	5	28	17.9	18.5	(1.4, 35.7)
Hockley	5	19	26.3	27.2	(3.3, 51.1)
Hood	10	33	30.3	27.5	(9.3, 45.7)
Hopkins	Less than 5	3			
Houston	11	26	42.3	44.6	(21.8, 67.4)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

5. Perforated Appendix, page 5

County	Admissions	Admissions for Appendicitis	Observed Admissions per 100 Admissions for Appendicitis	Risk-Adjusted Admissions per 100 Admissions for Appendicitis	99% Confidence Interval for Risk-Adjusted Admissions
State of Texas	5,879	19,197	30.6	32.0	
Howard	8	23	34.8	37.0	(13.5, 60.6)
Hudspeth	Less than 5	2			
Hunt	30	66	45.5	44.4	(30.1, 58.7)
Hutchinson	Less than 5	11			
Irion	0	1			
Jack	Less than 5	3			
Jackson	Less than 5	6			
Jasper	5	31	16.1	17.8	(1.7, 33.9)
Jeff Davis	0	1			
Jefferson	57	178	32.0	32.8	(24.6, 41.0)
Jim Hogg	Less than 5	6			
Jim Wells	21	88	23.9	25.2	(14.4, 36.0)
Johnson	52	131	39.7	39.6	(29.6, 49.6)
Jones	Less than 5	4			
Karnes	Less than 5	12			
Kaufman	25	100	25.0	26.4	(16.0, 36.7)
Kendall	7	16	43.8	38.1	(9.7, 66.5)
Kenedy	Less than 5	2			
Kent	0	1			
Kerr	11	52	21.2	21.3	(8.1, 34.6)
Kimble	0	1			
King	0	0		0.0 *	(0.0, 0.0)
Kinney	0	1			
Kleberg	11	27	40.7	42.4	(20.2, 64.7)
Knox	Less than 5	3			
Lamar	13	39	33.3	35.2	(17.3, 53.1)
Lamb	Less than 5	9			
Lampasas	Less than 5	13			
La Salle	Less than 5	3			
Lavaca	Less than 5	15			
Lee	Less than 5	4			
Leon	7	19	36.8	38.8	(12.7, 65.0)
Liberty	19	63	30.2	32.5	(18.7, 46.3)
Limestone	6	18	33.3	31.7	(6.1, 57.4)
Lipscomb	0	0		0.0 *	(0.0, 0.0)
Live Oak	Less than 5	5			
Llano	Less than 5	6			
Loving	0	0		0.0 *	(0.0, 0.0)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

5. Perforated Appendix, page 6

County	Admissions	Admissions for Appendicitis	Observed Admissions per 100 Admissions for Appendicitis	Risk-Adjusted Admissions per 100 Admissions for Appendicitis	99% Confidence Interval for Risk-Adjusted Admissions
State of Texas	5,879	19,197	30.6	32.0	
Lubbock	59	230	25.7	28.0	(21.1, 35.0)
Lynn	Less than 5	4			
McCulloch	Less than 5	9			
McLennan	68	201	33.8	34.4	(26.5, 42.2)
McMullen	Less than 5	3			
Madison	6	9	66.7	59.8	(21.6, 98.0)
Marion	Less than 5	8			
Martin	Less than 5	4			
Mason	0	0		0.0 *	(0.0, 0.0)
Matagorda	11	38	28.9	30.6	(13.1, 48.0)
Maverick	14	58	24.1	23.6	(10.5, 36.6)
Medina	5	25	20.0	20.5	(1.6, 39.4)
Menard	Less than 5	4			
Midland	51	112	45.5	46.4 **	(35.4, 57.4)
Milam	6	27	22.2	22.0	(3.3, 40.6)
Mills	Less than 5	4			
Mitchell	Less than 5	4			
Montague	0	1			
Montgomery	95	314	30.3	31.4	(25.3, 37.5)
Moore	Less than 5	5			
Morris	Less than 5	3			
Motley	0	1			
Nacogdoches	12	40	30.0	32.9	(15.5, 50.3)
Navarro	Less than 5	20			
Newton	5	12	41.7	38.6	(5.7, 71.4)
Nolan	0	2			
Nueces	97	301	32.2	32.7	(26.4, 39.0)
Ochiltree	Less than 5	1			
Oldham	Less than 5	4			
Orange	28	94	29.8	31.5	(20.3, 42.8)
Palo Pinto	Less than 5	7			
Panola	5	19	26.3	28.8	(4.5, 53.1)
Parker	27	85	31.8	32.2	(20.3, 44.0)
Parmer	0	2			
Pecos	Less than 5	24			
Polk	13	31	41.9	40.7	(20.0, 61.3)
Potter	43	94	45.7	44.6 **	(32.6, 56.6)
Presidio	Less than 5	5			

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

5. Perforated Appendix, page 7

County	Admissions	Admissions for Appendicitis	Observed Admissions per 100 Admissions for Appendicitis	Risk-Adjusted Admissions per 100 Admissions for Appendicitis	99% Confidence Interval for Risk-Adjusted Admissions
State of Texas	5,879	19,197	30.6	32.0	
Rains	5	10	50.0	47.1	(10.2, 84.1)
Randall	28	76	36.8	36.6	(23.7, 49.6)
Reagan	0	1			
Real	0	0		0.0 *	(0.0, 0.0)
Red River	5	11	45.5	47.2	(12.0, 82.4)
Reeves	Less than 5	5			
Refugio	Less than 5	7			
Roberts	0	0		0.0 *	(0.0, 0.0)
Robertson	5	10	50.0	48.3	(11.3, 85.3)
Rockwall	14	44	31.8	33.7	(17.0, 50.3)
Runnels	6	10	60.0	61.8	(25.9, 97.8)
Rusk	12	40	30.0	29.2	(12.4, 46.0)
Sabine	0	5	0.0	1.0 *	(0.0, 11.3)
San Augustine	5	11	45.5	44.1	(9.1, 79.1)
San Jacinto	Less than 5	10			
San Patricio	27	71	38.0	38.5	(25.0, 52.0)
San Saba	0	2			
Schleicher	0	0		0.0 *	(0.0, 0.0)
Scurry	Less than 5	8			
Shackelford	0	3			
Shelby	7	24	29.2	32.1	(9.8, 54.4)
Sherman	0	4			
Smith	50	166	30.1	30.5	(22.2, 38.9)
Somervell	Less than 5	9			
Starr	10	49	20.4	21.2	(7.5, 34.9)
Stephens	Less than 5	3			
Sterling	Less than 5	1			
Stonewall	0	1			
Sutton	Less than 5	2			
Swisher	Less than 5	5			
Tarrant	363	1,391	26.1	27.7 *	(24.9, 30.5)
Taylor	26	100	26.0	27.0	(16.6, 37.4)
Terrell	0	0		0.0 *	(0.0, 0.0)
Terry	0	11	0.0	2.6 *	(0.0, 13.7)
Throckmorton	Less than 5	2			
Titus	Less than 5	2			
Tom Green	28	87	32.2	33.5	(21.6, 45.3)
Travis	251	674	37.2	39.2 **	(34.8, 43.6)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

5. Perforated Appendix, page 8

County	Admissions	Admissions for Appendicitis	Observed Admissions per 100 Admissions for Appendicitis	Risk-Adjusted Admissions per 100 Admissions for Appendicitis	99% Confidence Interval for Risk-Adjusted Admissions
State of Texas	5,879	19,197	30.6	32.0	
Trinity	0	8	0.0	2.1 *	(0.0, 13.8)
Tyler	5	14	35.7	37.0	(6.8, 67.2)
Upshur	7	27	25.9	24.6	(5.2, 44.0)
Upton	0	2			
Uvalde	Less than 5	5			
Val Verde	15	43	34.9	34.9	(17.8, 51.9)
Van Zandt	16	48	33.3	35.8	(19.6, 52.0)
Victoria	24	99	24.2	25.7	(15.4, 36.0)
Walker	16	50	32.0	32.8	(17.2, 48.3)
Waller	9	33	27.3	30.8	(12.0, 49.7)
Ward	Less than 5	5			
Washington	0	2			
Webb	84	163	51.5	52.1 **	(43.0, 61.3)
Wharton	10	35	28.6	27.9	(10.1, 45.6)
Wheeler	Less than 5	3			
Wichita	23	55	41.8	42.4	(26.8, 58.0)
Wilbarger	Less than 5	4			
Willacy	7	15	46.7	50.2	(20.0, 80.4)
Williamson	58	229	25.3	27.0	(20.1, 33.9)
Wilson	7	26	26.9	29.8	(8.8, 50.7)
Winkler	0	0		0.0 *	(0.0, 0.0)
Wise	8	18	44.4	43.1	(15.8, 70.5)
Wood	10	40	25.0	25.2	(9.1, 41.2)
Yoakum	Less than 5	3			
Young	Less than 5	7			
Zapata	Less than 5	13			
Zavala	0	1			

Source: Department of State Health Services, Center for Health Statistics, Texas Health Care Information Collection. Texas Inpatient Hospital Discharge Data, 2002.

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.